



Complete if Known


(Use as many sheets as necessary)

of	1
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Application Number	10/675,608
Filing Date	September 30, 2004
First Named Inventor	David W. Farchmin
Art Unit	
Examiner Name	
Attorney Docket Number	110003.00057.03AB222

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1*
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
adp adp	1	DE 39 32 375 A1	23.9.88	Ruhrkohle AG		
	2	EP 0 992 921 A2	12.04.2000	Lucent Technologies		
	3	WO 02/30053 A1	11.04.2002	Lesswire AG		

Examiner Signature		Date Considered	02/06/06
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinda Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

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		Number	Kind Code ² (if known)			
adp	1	5,835,061		Stewart	11-10-98	
	2	6,060,993		Cohen	05-09-00	
	3	5,960,085		de la Huerqa	09-28-99	
	4	4,612,620		Davis, et al.	09-16-86	
	5	6,236,335		Goodwin III	05-22-01	
	6	6,011,487		Plocher	01-04-00	
	7	2001/0024174		Turner	09-27-01	
	8	5,751,221		Stanfield, et al.	05-12-98	
	9	5,627,549		Park	05-06-97	
	10	5,649,300		Snyder et al	07-15-97	
	11	6,362,783		Sugiura et al	03-26-02	
	12	5,287,266		Malec et al	02-15-94	
	13	6,359,711		Cole et al	03-19-02	
	14	6,211,799		Post et al	Apr. 3, 2001	
	15	6,282,455		Engdahl	Aug. 28, 2001	
	16	6,446,004		Cao et al	Sep. 3, 2002	
	17	20020125886		Bates et al	Sep. 12, 2002	
	18	5,544,321		Theimer et al	Aug. 6, 1996	
adp	19	2003/0011467		Suomela	Jan. 16, 2003	

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		Office ³	Number ⁴				
adp	1		0 992 921 A2	Lucent Technologies Inc	12.04.2000		
	2		WO 00/50919	Microsoft Corporation	31.08.2000		
	3		WO 02/054813 A1	EKA-Hau Oy	11.07.2002		
	4		WO 02/43428 A1	Tele-Com Italia Lab s.p.	30.05.2002		
	5		WO 01/16607 A2	Cordless Antistatic Resi	08.03.2001		
	6		WO 02/12992 A2	IBM United Kingdom Lir	14.02.2002		
	7		GB 2 365 662	International Business M	20.02.2002		
	8		WO 02/056274 A1	Digital Angel Corporatio	18.07.2002		
	9		WO 00/17737	Kemink et al	30.03.00		
adp	10		WO 01/82032 A2	Baker, Richard A.	01.11.2001		

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Sheet 2 of 4

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		Number-Kind Code ² (if known)			
ad	20	US- 6,167,464	12-26-00	Kretschmann	
	21	US- 5,907,491	05-25-99	Canada et al	
	22	US- 2002/0030094 A1	03-14-02	Curry et al	
	23	US- 2002/0167417 A1	11-14-02	Wells, II et al	
	24	US- 2002/0058499 A1	05-16-02	Ortiz	
	25	US- 5,202,929	04-13-93	Lemelson	
	26	US- 5,548,660	08-20-96	Lemelson	
	27	US- 2001/0018349	08-30-01	Kinnunen et al	
	28	US- 5,485,634	01-16-96	Weiser et al	
	29	US- 5,910,799	06-08-99	Carpenter et al	
	30	US- 5,552,806	09-03-96	Lenchik	
	31	US- 2002/0161633 A1	10-31-02	Jacob et al	
	32	US- 5,555,376	09-10-96	Theimer et al	
	33	US- 5,642,303	06-24-97	Small et al	
	34	US- 2002/0007407 A1	01-17-02	Klein	
	35	US- 6,496,775 B2	12-17-02	McDonald Jr et al	
	36	US- 6,611,755 B1	08-26-03	Coffee et al	
	37	US- 4,598,275	07-01-86	Ross et al	
	38	US- 2002/0123325 A1	09-05-02	Cooper	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
ad	11	WO 02/05107 A1	17.01.2002	Swales, Andrew		
	12	EP 0 801 342 B1	08.01.2003	Carpenter, et al		
	13	EP 0 626 635 A2	30.11.94	Palrang et al		
	14	WO 02/13557 A1	14.02.2002	Keller, et al		
ad	15	WO 01/41546 A2	14.06.2001	Brumitt et al		

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		Application Number	10/675,608
		Filing Date	September 30, 2004
		First Named Inventor	David W. Farchmin
		Group Art Unit	
		Examiner Name	
Sheet	3	of	4
		Attorney Docket Number	110003.00057.03AB222

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		Number	Kind Code ² (if known)			
ad	39	4,728,959		Maloney et al	Mar. 1, 1988	
	40	5,119,104		Heller	Jun. 2, 1992	
	41	6,026,304		Hilsenrath et al	Feb. 15, 2000	
	42	20010003443		Velazquez et al	Jun. 14, 2001	
	43	6,252,867		Pfeil et al	Jun. 26, 2001	
	44	20010021182		Wakutsu	Sep. 13, 2001	
	45	6,347,229		Zelmanovich et al	Feb. 12, 2002	
	46	20020051430		Kasami et al	May 2, 2002	
	47	6,407,719		Ohira et al	Jun. 18, 2002	
	48	5,991,284		Willenegger et al	Nov. 23, 1999	
ad	49	20020102995		Zelmanovich et al	Aug. 1, 2002	
	50	20020118655		Harrington et al	Aug. 29, 2002	
	51	6,437,740		De Champlain et al	Aug. 20, 2002	
	52	5,642,353		Roy, III et al	Jun. 24, 1997	
	53	4,700,197		Milne	Oct. 13, 1987	
ad	54	6,381,502		Rudder et al	04-30-02	

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		Office ²	Number ²				
cel	16		WO 01/22118 A2	James G. Seal	29.Mar.2001		
	17		WO 99/39219	Belcher, et al	5.Aug.1999		
	18		WO 01/82032 A2	Baker, Richard A.	01.11.2001		

Examiner Signature		Date Considered	02/08/06
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		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	110003.00057.03AB 222
Sheet	4	of	4

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
aef	1	A Statistical Modeling Approach to Location Estimation; IEEE Transactions on Mobile Computing; Vol. 1, No. 1, Jan-Mar 2002; pg. 59-69; Roos, et al	
	2	A Probabilistic Approach to WLAN User Location Estimation; International Journal of Wireless Information Networks, Vol. 9, No. 3, pg. 155-164; Roos, et al.	
	3	A Statistical Modeling Approach To Location Estimation; Master's Thesis, Univ. of Helsinki, Department of Computer Science, May 5, 2001, Teemu Tontari	
aef	4	An Indoors Wireless Positioning System Based On Wireless Local Area Network Infrastructure (13 pgs), SatNav 2003, Melbourne, Australia 7/22-25/03, Wang et al	

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Sheet	1	of	1
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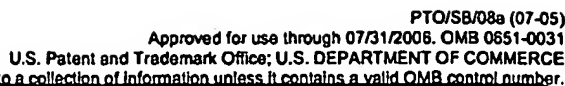
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ad	1	US- 2002/0131446	09-19-02	Metcalfe, III	
	2	US- 5,978,753	11-02-99	Eidson	
	3	US- 5,598,572	01-28-97	Tanikoshi et al	
	4	US- 5,519,878	05-21-96	Dolin Jr.	
	5	US- 6,574,549	06-2003	Cato et al	
	6	US- 6,813,608	11-2004	Baranowski, Robert	
	7	US- 2002/0183979	12-2002	Wildman, Timothy	
	8	US- 2005/0035862	02-2005	Wildman, et al	
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ad	1	WO 02/05107 A1	17.Jan.2002	Swales, Andrew		
	2	EP 1 265 118 A1	05.Jun.2001	Wimmer, Wolfgang		
ad	3	EP 1 233 315 A1	19.Feb.2001	Wimmer, Wolfgang		
	4	EP 0 472 874 A1	15.Jul.1991	Mathias, Thomas et al		
	5	WO 02/30053	11.Apr.2002	Lissuire		

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